15.3 Strategic CAAD Modelling: The Misconception

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Introduction
The emphasise is on the common misconception in CAAD modelling. It is a theoretical and practical problem that undermines the process of design and progress, which often influences or decides the form of 2D-CAD drawings and 3D-CAD Modelling.

Modelling Problems, Modelling Support and The Target Model
The problem depends predominantly upon the extent of misuse or mishandling of I.T. It exists due to limitations of the users' technical knowledge and competence in understanding the logical processes of CAAD. It becomes tedious when selecting inappropriate modelling applications. Novice users tend to choose a modelling application based upon impractical preferences. The development of CAAD schematics or models does not depend on users' creativity alone but on technical capabilities that are often ignored, therefore, causing needless complications throughout the process of modelling. The lack of critical thinking, good organisational skills, and basic technical computer knowledge are the prime factors for the unforeseen regression from the target model (Ismail & McCartney, 1994). The result is a model that contains 'invisible garbage'. Strategic Modelling is a logical technique to avoid such problems from at the earliest stage.

Conclusion
3D CAD-Models should be regarded as practical tools as part of strategic thinking, from design ideas to urban planning. The differences between target users and audiences are typically misunderstood by the novice users and often neglected at initial stages of modelling. Strategic Modelling considers modelling process and support, computer management, and organisational skills alongside the technical competence and designers' creativity. This is in return might help to understand the reasons for being difficult to carry out automated CAAD evaluation.

Reference
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